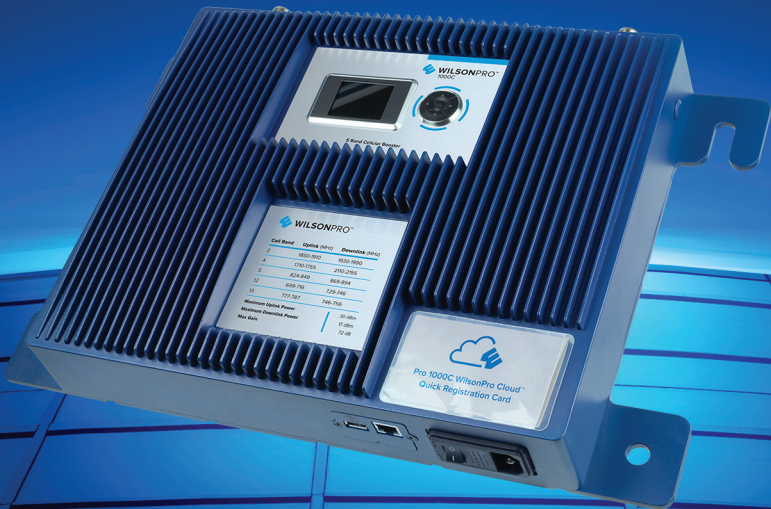


# PRO 1000C

In-Building Cell Signal Amplifier  
With Extended Dynamic Range & LTE Connected  
Remote Monitoring



## User Manual

**NEED HELP?**

 [wilsonpro.com](http://wilsonpro.com)

 866.294.1660

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# Package Content

## Kit 460242



Pro 1000C



Wide Band Directional  
Antenna + 75'  
Wilson 400 Cable



Dome Antenna +  
100' Wilson 400 Cable



2' Wilson  
400



Lightning Surge  
Protector

# Pro 1000C

The Industry's First Platform For Cloud-Based Management



Monitor Your Amplifier Installs  
Online



Customizable Email/Text Alert  
Notifications



Ultra-High System Reliability &  
Guaranteed Uptime



Avoid Costly Troubleshooting  
Location Visits





The Pro 1000C is the industry's first platform for cloud-based management and monitoring of cellular signal amplifiers.

The WilsonPro Cloud allows an integrator to manage and monitor installed cellular amplifiers from a phone, tablet, laptop, or any device that runs a Web browser. You can get customizable email and text notifications to alert you to any status change of your installed amplifiers, including notification if a system ever goes offline.



With the WilsonPro Cloud you can remotely reset an amp or selectively turn specific frequency bands on and off, so the integrator avoids costly troubleshooting site visits. The platform also provides report generation, performance and signal level histories, and organization of monitored amps by account and location. There's even a remote donor antenna tuning tool.

For installers and integrators, subscribing to the WilsonPro Cloud means you can sell your clients extended service plans, generating recurring revenue streams for your business. And for your clients, the WilsonPro Cloud provides ultra-high system reliability and guaranteed uptime.

The 1000C amplifier connects to the WilsonPro Cloud right out of the box via an LTE modem on the donor antenna, or through a traditional hardwired Ethernet port. The wireless LTE connection is included in the annual WilsonPro Cloud subscription, so no additional Internet connection is required.

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# Key Features

**Simple Wall-Mount Installation:** An indoor and outdoor port are located on top of the Pro 1000C for easy antenna connections, while an exposed mounting flange at each corner of the amplifier provides for simple and clean wall-mount installation.



**Onboard Software for Better Control:** The amplifier is automatically controlled with automatic onboard software, ensuring great connectivity throughout large spaces and multi-story buildings. The amplifier will adjust its gain level up or down as required by the conditions of the immediate signal environment.



**Extended Dynamic Range (XDR) for continuous connectivity:** Gives the 1000C much greater tolerance for a strong incoming signal from the tower. XDR lets the 1000 system work with an incoming signal stronger than any competing amplifier and never shuts down due to a strong outside signal.



**Color LCD for Easier Access:** Unlike other amplifiers, the Pro 1000C has a color LCD screen with four-way navigation, allowing integrators to optimize antenna position and maximize the performance of the amplifier.



**Remote LTE Connected Monitoring:** Get immediate notification if the 1000C stops working or if band conditions change.



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# Competitive Advantages



**Highest Downlink Power:** Up to +15dBm downlink output power allows for stronger signal in environments where the incoming signal is weak. The benefit is a stronger signal sent to the inside antennas, providing larger coverage area from a single amplifier.



**Highest Uplink Power:** This allows for a stronger signal transmitted to the tower, up to +3dB more than the competition, providing greater user capacity and increased range from the cell site.



**Lower Overload and Shutdown Threshold:** No matter how strong the outside signal, the Pro 1000C never shuts down. This is a huge benefit in strong signal environments like cities and locations close to a carrier tower.



**Intelligent Control:** Pro cellular amplifiers automatically adjust signal gain while still providing even signal coverage throughout the building.

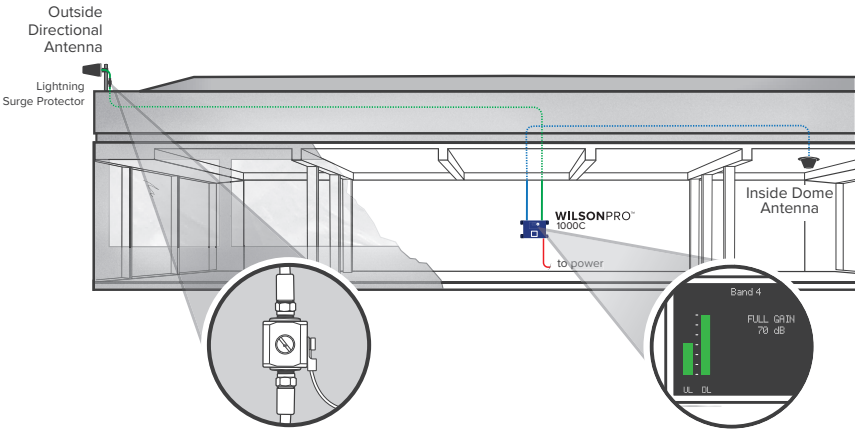


**More Secure:** Connectivity and remote monitoring via LTE, so no “sharing” of existing premises network resources which creates a more secure system.

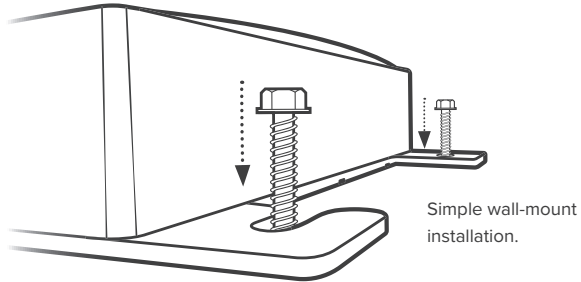
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# Installation Diagram

A Wilson Lightning Surge Protector is recommended for all building installations. Make sure the protector is installed outside the building at point of entry connected to a suitable ground and in line between the Outside Antenna and the Signal Amplifier.



The direction of the outside antenna should be adjusted until the “DL” bar is maximized.





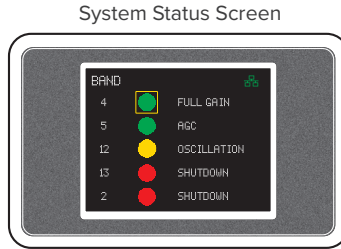
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# Status Screen

The Pro 1000C takes about 20 seconds to boot up. Once boot up is complete, the status screen will appear, showing the amplification and status of each port and band.



Splash Screen



## Lights Description



A solid green light indicates that a band is operating correctly with maximum allowable gain.



A solid yellow light indicates band gain reduction because of an oscillation condition. Reposition antennas (more separation between indoor and outdoor antennas, and pointed in opposite directions) and reboot (power cycle) the 1000C for maximum performance. When adequate separation is achieved, the yellow lights will return to green upon reboot. Note that when the light is yellow, the band is **operational**; however, performance is reduced.

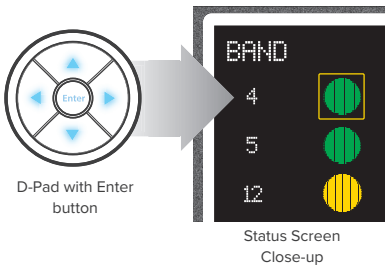


A red light indicates a band which has been completely shut down because of a severe oscillation condition or repeated oscillation. Reposition antennas (more separation between indoor and outdoor antennas, and point in opposite directions) and then reboot (turn the unit on & off) the 1000C to reactivate the band and maximize performance. When adequate separation is achieved, the red light(s) will return to green upon reboot.

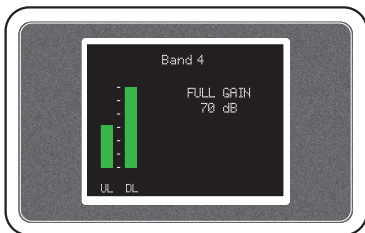
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# Band Status Screens

## Green Light



By pressing enter on a highlighted light, as shown, a more detailed status screen will be displayed for the highlighted band.



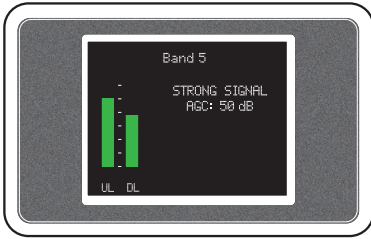
Band Details Screen

This screen provides specific band information, including the strength of the received uplink and downlink signal, status details, and the amplifier gain.



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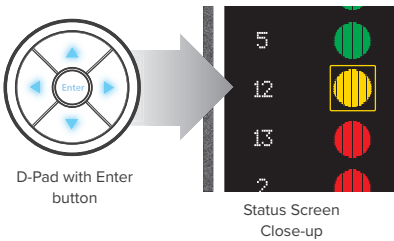
## (BAND STATUS SCREENS - GREEN LIGHT cont.)



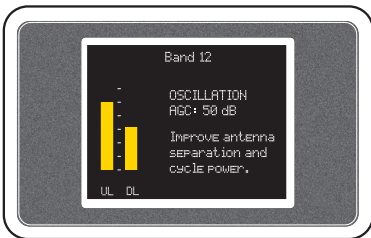
Band Details Screen

In the presence of a strong outdoor cell tower signal, the 1000C will reduce its “boost” (Gain) using internal Automatic Gain Control (AGC). This gain reduction is necessary to stay within FCC requirements. When this occurs, the 1000C has reached the ‘speed limit’ so this is good! The outside antenna should always be adjusted until the “DL” bar is maximized and “AGC” is indicated. This may not be possible with a weak outside signal.

## Yellow Light



Pressing enter on a highlighted light with a yellow light (Band 12), as shown, will display the following...

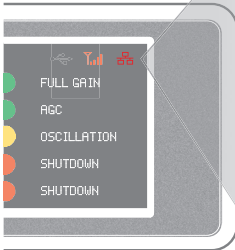


Band Details Screen

This screen indicates band gain has been reduced because of the oscillation condition detected at a nearby band.

# Screen Icons

## Ethernet Icon



**RED:** Indicates the amplifier is configured to use Ethernet and has no connection.



**White:** Indicates the amplifier is not configured to use Ethernet.



**Green:** Indicates the amplifier is configured to use Ethernet and there is a good connection with a network.

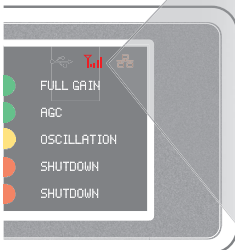


**Green & Underscore:** Indicates an active connection has been established. The underscore blinks when carrying traffic.



**Yellow:** Indicates the amplifier is configured to use Ethernet and there is a good connection with a non-networked device (i.e., a laptop).

## Cellular Icon



**RED:** Indicates the amplifier is configured to use LTE and there is no connection.



**White:** Indicates the modem is installed, but the amplifier is not configured to use LTE.



**Green:** Indicates the amplifier is configured to use the LTE and there is a good connection. Signal strength will be indicated by the bars.



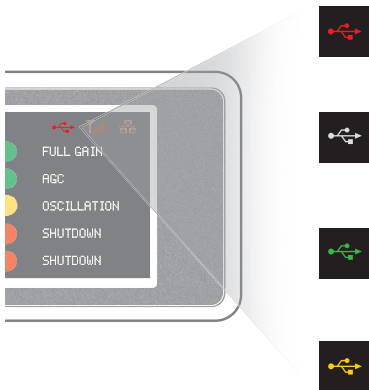
**Green & Underscore:** Indicates an active connection has been established. The underscore blinks when carrying traffic.



**Yellow:** Indicates an active connection has been established, however, it is not strong enough to maintain a reliable cloud connection.

## USB Icon

The internal amplifier software can be updated through the USB port with a memory stick.



**RED:** Indicates that the firmware upgrade failed because of some error. It is safe for the user to remove USB stick.

**White:** Indicates a USB stick is present but no action is being taken (i.e., missing firmware upgrade file or firmware file is older than the currently installed version).

**Green:** Indicates that firmware upgrade has been completed successfully. It is safe for the user to remove USB stick.

**Yellow:** Indicates firmware upgrade is in progress. It is **not** safe for the user to remove USB stick.

NOTE: Icon will not appear if USB stick is not plugged in.

---

# WilsonPro Cloud

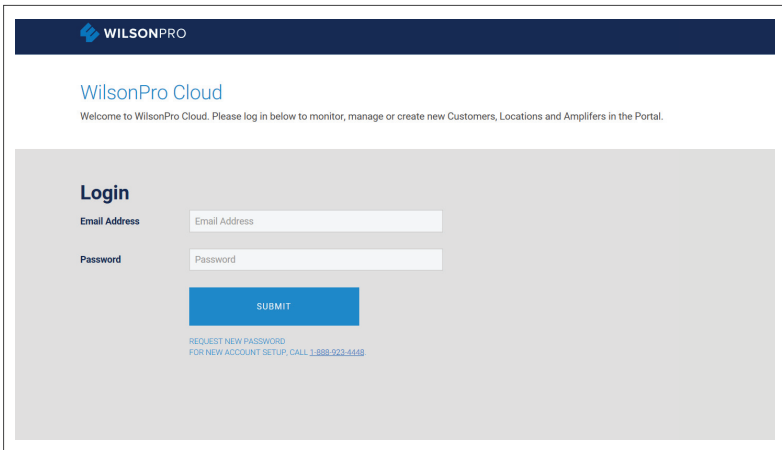
## The first cloud-based platform for remote monitoring & control of cellular signal amplifiers.

Pro 1000C connects to WilsonPro Cloud via the internet, through a traditional RJ-45 “hardwired” Ethernet connection or via LTE connection through the outside donor antenna. The default setting is “Ethernet Preferred” (gives priority to Ethernet, but will switch to LTE if Ethernet is not connected). NOTE: The LTE modem and SIM card are installed and activated at the WilsonPro factory.

## Logging into the WilsonPro Cloud via Ethernet

If you don't already have a WilsonPro Cloud™ account at [cloud.wilsonpro.com](https://cloud.wilsonpro.com), call 1-888-923-4448, Monday-Friday 8am-5pm MT so that your account can be created. Once your account is set up, you can then add multiple customers, locations, and amplifiers.

Your supported amplifiers can be added and managed via our WilsonPro Cloud website located at <https://cloud.wilsonpro.com>. Simply log in using your email address and password.



**WILSONPRO**

### WilsonPro Cloud

Welcome to WilsonPro Cloud. Please log in below to monitor, manage or create new Customers, Locations and Amplifiers in the Portal.

**Login**

Email Address

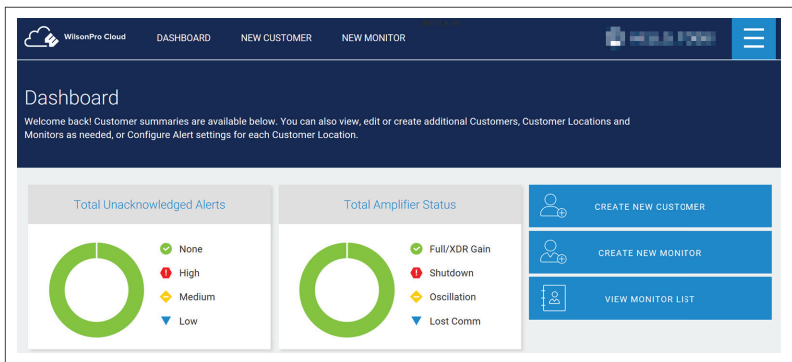
Password

**SUBMIT**

REQUEST NEW PASSWORD FOR NEW ACCOUNT SETUP, CALL 1-888-923-4448

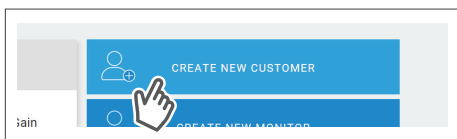
## Customer Dashboard

You can quickly check the status of all of your amplifiers from the **Dashboard** summary screen. The **Total Unacknowledged Alerts** represents the number of alert indications, for all amplifiers assigned to your account, that have not been acknowledged. After an alert is acknowledged, it is no longer included in this chart. **Total Amplifier Status** represents the current, near real-time status of all amplifiers associated with your account.



## Adding a Customer

To create a new customer from the Dashboard screen, click on **CREATE NEW CUSTOMER**.



NOTE: If you don't already have a WilsonPro Cloud™ account at cloud.wilsonpro.com, call **1-888-923-4448**, Monday-Friday 8am-5pm MT.

## (WILSONPRO CLOUD – ADDING A CUSTOMER cont.)

Enter information for **Customer** (business/organization utilizing the Pro 1000C product), **Primary Contact** (notification recipient), and select a **Monitor**. After clicking on **SUBMIT** the new customer will appear on the dashboard page below the alert and status summary with a default location.

The screenshot shows the 'Create New Customer' form in the WilsonPro Cloud interface. The form is divided into several sections: Account, Customer Information, Primary Customer Contact, Secondary Customer Contact (opt.), and Assign Monitor(s) for Primary Location. A blue 'SUBMIT' button is at the bottom. Three callout boxes with blue borders and white text provide instructions on required fields:

- Customer Information:** This section is pertaining to the business/organization utilizing Pro 1000C amplifier(s) at their location(s). **These fields in this section are required.**
- Primary/Secondary Contact:** A point of contact for the Customer. **These fields in this section are required.**
- Monitor:** Individual(s) assigned to track performance of amplifier(s). **See next section if a Monitor has not been created.**

**Account**  
Wilson Demo Account

**Customer Information**

**Name**  **Primary**

**Address**

**City**

**State**  **Zip**

The customer information will also be used as the primary location under the customer.

**Primary Customer Contact**

**First Name**  **Secondary**

**Last Name**  **Secondary (opt.)**

**Email Address**

**Secondary Customer Contact (opt.)**

**First Name**  **Primary Phone**

**Last Name**

**Email Address**

**Assign Monitor(s) for Primary Location**

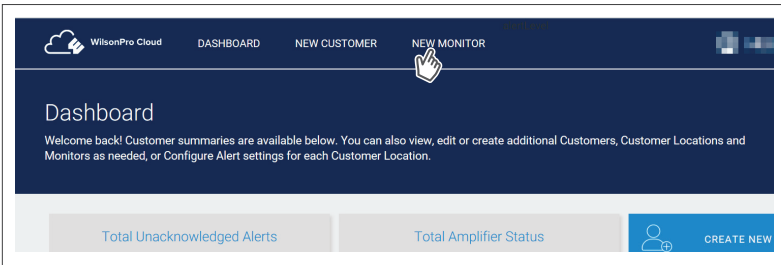
**Primary Monitor**

**Secondary Monitor (opt.)**

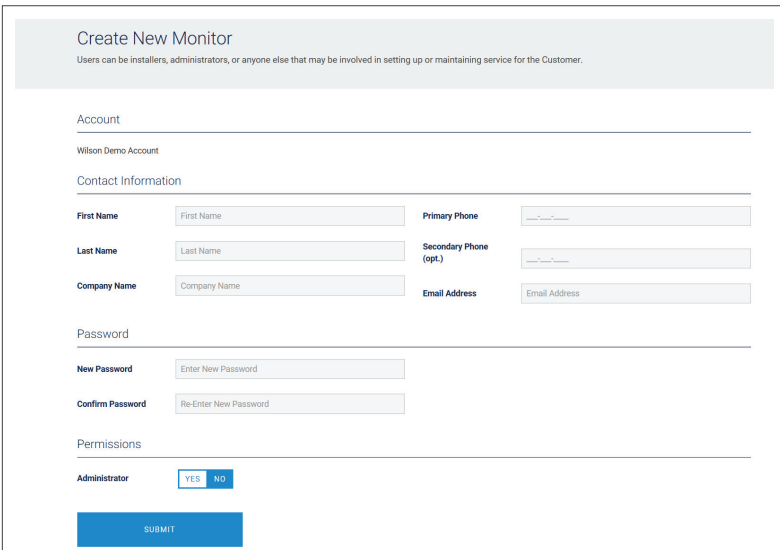
**SUBMIT**

## (WILSONPRO CLOUD – ADDING A CUSTOMER cont.)

If a Monitor has not been created, click on **NEW MONITOR** at the top of the webpage. Installer/Integrator can assign Monitors to track the performance of the amplifier(s). A Monitor can be made Administrator, who can see all information within the account and create additional Monitors.



Enter information and click **SUBMIT**.

A screenshot of the 'Create New Monitor' form. The form is titled 'Create New Monitor' and includes a sub-header: 'Users can be installers, administrators, or anyone else that may be involved in setting up or maintaining service for the Customer.' The form is divided into several sections: 'Account' with a text field containing 'Wilson Demo Account'; 'Contact Information' with fields for 'First Name', 'Last Name', 'Company Name', 'Primary Phone', 'Secondary Phone (opt.)', and 'Email Address'; 'Password' with fields for 'New Password' and 'Confirm Password'; and 'Permissions' with a radio button for 'Administrator' set to 'YES'. A blue 'SUBMIT' button is located at the bottom of the form.




---

(WILSONPRO CLOUD cont.)

## Creating an Additional Customer Location


To create an additional customer location click **VIEW / EDIT**.

Demo Customer				
LOCATION	ALERT	AMPLIFIER	STATUS	DETAILS
<b>Demo Customer - Default Location</b>	✓	Training Room	Full Gain	<a href="#">VIEW / EDIT</a>



Then click **ADD ADDITIONAL LOCATION**.

Additional Locations
<a href="#">ADD ADDITIONAL LOCATION</a>
Demo Customer - Default Location Contacts



(WILSONPRO CLOUD – ADDING A CUSTOMER LOCATION cont.)

Enter information and click **SUBMIT**.

NOTE: Customer Information and Primary Contact fields are required, these must be populated before submitting page.

### Add Additional Location

Enter information for an Additional Location, below. The process is the same for Additional Locations as for the default ( )  
You can also Configure Alert settings for this Location by pressing 'Configure Alerts' at the bottom of the screen.

---

#### Customer Information

<b>Name</b>	<input type="text" value="Customer or Project Name"/>	<b>Primary Phone</b>	<input type="text" value=""/>
<b>Address</b>	<input type="text" value="Address"/>	<b>Secondary Phone (opt.)</b>	<input type="text" value=""/>
	<input type="text" value="Address Line Two"/>		
<b>City</b>	<input type="text" value="City"/>		
<b>State</b>	<input type="text" value="Select"/> ▼	<b>Zip</b>	<input type="text" value="Zipcode"/>

---

#### Primary Contact

<b>First Name</b>	<input type="text" value="First Name"/>	<b>Primary Phone</b>	<input type="text" value=""/>
-------------------	---	----------------------	-------------------------------

(WILSONPRO CLOUD cont.)

## Adding an Amplifier

On the dashboard page, find the customer location you would like to add the amplifier and click **VIEW / EDIT**.

Demo Customer				
LOCATION	ALERT	AMPLIFIER	STATUS	DETAILS
Demo Customer - Default Location	✓	Training Room	Full Gain	<a href="#">VIEW / EDIT</a>

Then click **ADD AMPLIFIER**.

Training Room	✓	All Systems Go	Full Gain
<a href="#">ADD AMPLIFIER</a>			

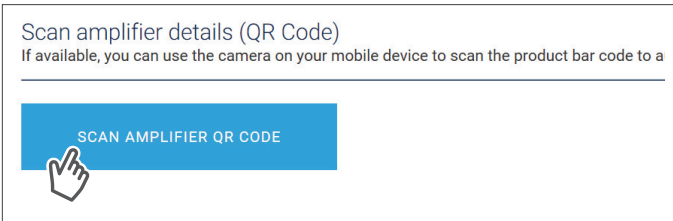
Add an amplifier name. An example: Hotel Lobby etc.

Amplifier Name	
Amplifier Name	<input type="text" value="Amplifier Name"/>

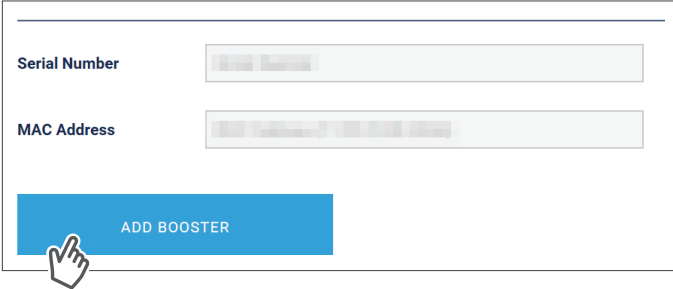
---

(WILSONPRO CLOUD – ADDING A AMPLIFIER cont.)

Click **SCAN AMPLIFIER QR CODE** located on Quick Setup Card (which is in the plastic sleeve on the amplifier).



The serial number and MAC address will autopopulate after scanning QR code. Click **ADD AMPLIFIER**. NOTE: The serial number and MAC address fields can be populated manually.



(WILSONPRO CLOUD cont.)

## Amplifier Metrics

Now that the amplifier(s) have been added to the location, click **VIEW/EDIT** to view details about the amplifier.

LOCATION	ALERT	AMPLIFIER	STATUS	DETAILS
Demo Customer - Default Location		Training Room	Full Gain	<a href="#">VIEW / EDIT</a>

Click **VIEW / EDIT**, in the amplifier list.

Demo Customer - Default Location Alerts  
To Acknowledge an Alert, select its checkbox and press "Submit Acknowledgement". Acknowledging an Alert will move it to the Alert History.

No Alerts at this time.

[SUBMIT ACKNOWLEDGEMENT](#) [VIEW ALERT HISTORY](#) [CONFIGURE ALERTS](#)

Demo Customer - Default Location Amplifiers  
To view and edit Amplifier details, press the "View/Edit" button for each listing.

AMPLIFIER	LEVEL	ALERT	STATUS	BANDS	DETAILS
Training Room		All Systems Go	Full Gain	PCS, AWS, CELL, LTE Lower, LTE Upper	<a href="#">VIEW / EDIT</a>

(WILSONPRO CLOUD – AMPLIFIER METRICS cont.)

Band Details

LAST UPDATED: A FEW SECONDS AGO

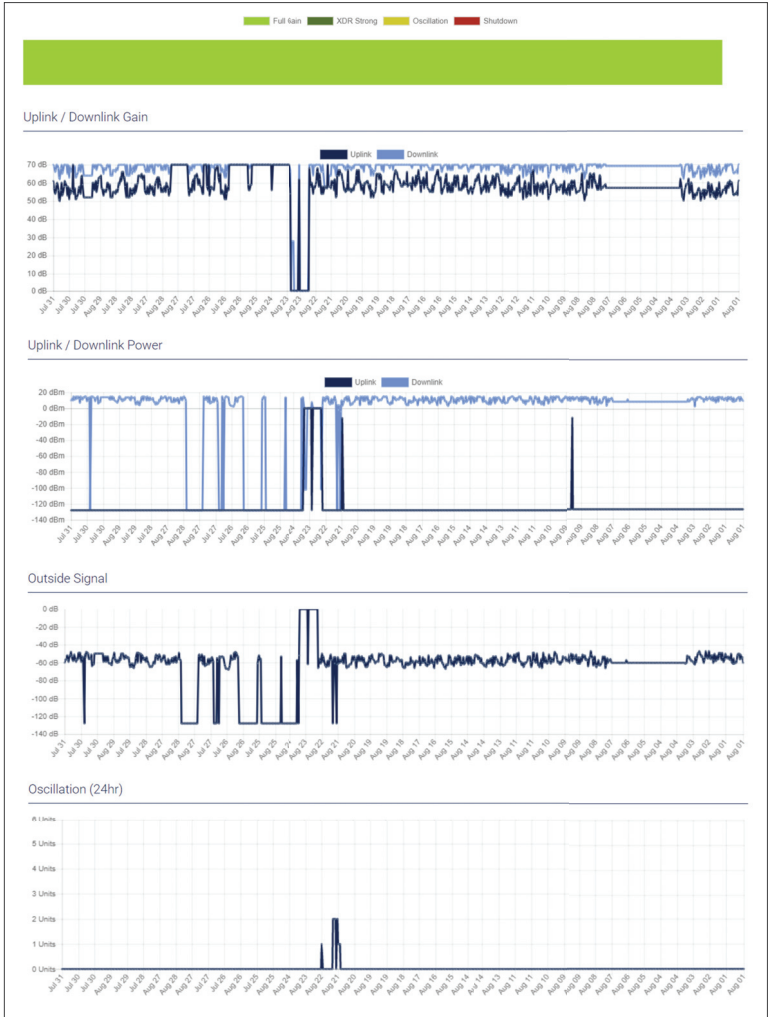
	BAND 2	BAND 4	BAND 5	BAND 12	BAND 13
NAME	PCS	AWS	CELL	LTE Lower	LTE Upper
STATUS	AGC Strong Signal or XDR	AGC Strong Signal or XDR	Full Gain	AGC Strong Signal or XDR	AGC Strong Signal or XDR
UPLINK / DOWNLINK GAIN	41 dB / 53 dB	40 dB / 52 dB	49 dB / 62 dB	42 dB / 55 dB	46 dB / 58 dB
UPLINK / DOWNLINK POWER	-128 dBm / 15 dBm	-128 dBm / 15 dBm	-128 dBm / 13 dBm	-128 dBm / 14 dBm	-128 dBm
OUTSIDE SIGNAL	-38 dBm	-37 dBm	-49 dBm	-40 dBm	-50 dBm
OSCILLATION (24hr)	0	0	0	0	0
	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
	<a href="#">VIEW HISTORY</a>	<a href="#">VIEW HISTORY</a>	<a href="#">VIEW HISTORY</a>	<a href="#">VIEW HISTORY</a>	<a href="#">VIEW HISTORY</a>

The Band Details table above shows per-Band performance metrics. In addition, Bands can be disabled and re-enabled, as well as viewing the Band History.

**WARNING:** Disabling bands could disconnect the LTE connection and prevent communication with the cloud.

(WILSONPRO CLOUD – AMPLIFIER METRICS cont.)

The Band History screen provides performance and signal level histories.

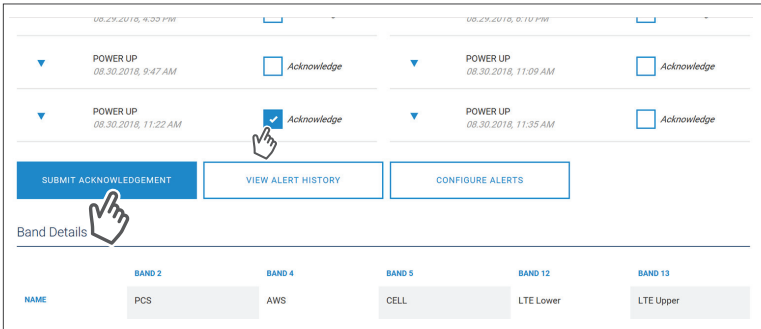




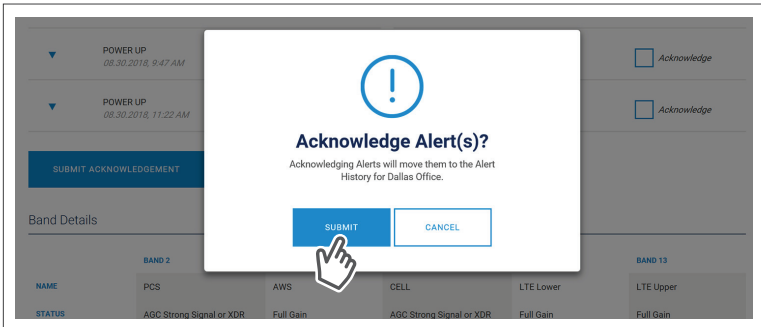
## Alerts & Notifications

Alerts are displayed on the **Location Details** screen for all amplifiers for that location. Alerts are also displayed on the Amplifier Details screen for that particular amplifier.

To acknowledge and remove the alert from the lists, choose the alert and click **SUBMIT ACKNOWLEDGEMENT**.

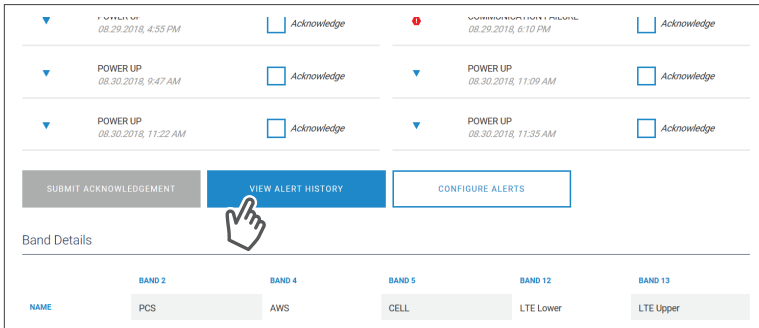


An additional prompt will be displayed indicating alert will be moved to Alert History.

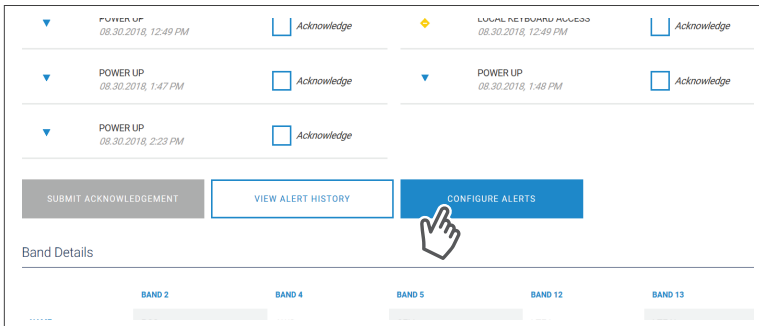


(WILSONPRO CLOUD – ALERTS & NOTIFICATIONS cont.)

To view past alerts that have been removed from the list, click **VIEW ALERT HISTORY**.



To set which amplifier conditions will result in an alert, click **CONFIGURE ALERTS** (this can be done from the **Amplifier Details** screen as well).



## (WILSONPRO CLOUD – ALERTS & NOTIFICATIONS cont.)

Select individual, multiple, or all conditions to change the priority level of all selected alerts, click **UPDATE** after modifying the conditions. These alerts (which can be set as notifications) and then will be pushed to SMS (text) and email.

Alert Conditions  
Select individual or more than one Condition at a time to set Options for that Condition (or group of Conditions). Press a Condition to either select or de-select it.


Select All

POWER UP     COMMUNICATION FAILURE     RF OSCILLATION     HARDWARE FAILURE

RF SHUTDOWN BAND     LOCAL KEYBOARD ACCESS     WEAK SIGNAL DETECTED

Alert Options  
The Options below will be set for each Condition selected above. Be sure to press the Update button to save your changes after completing any changes.

Priority Level     HIGH     MED     LOW     IGNORE



To configure Alert notifications click **CONFIGURE NOTIFICATIONS**.

Alert Conditions  
Select individual or more than one Condition at a time to set Options for that Condition (or group of Conditions). Press a Condition to either select or de-select it.


Select All

POWER UP     COMMUNICATION FAILURE     RF OSCILLATION     HARDWARE FAILURE


RF SHUTDOWN BAND     LOCAL KEYBOARD ACCESS     WEAK SIGNAL DETECTED

Alert Options  
The Options below will be set for each Condition selected above. Be sure to press the Update button to save your changes after completing any changes.

Priority Level     HIGH     MED     LOW     IGNORE



(WILSONPRO CLOUD – ALERTS & NOTIFICATIONS cont.)

You can configure Alert notifications for this Location to be sent to Recipients. These Recipients can either be Monitors registered in the system, or ‘other’ Recipients identified by email or phone. To add or delete Recipients, click on the . You can also choose which priority level of alerts generates a notification. Click **UPDATE** when completed.

### Configure Notifications / Demo Customer / Demo Customer - Default Location

You can configure Alert notifications for this Location to be sent to recipients. These recipients can either be Monitors registered in the system, or ‘other’ recipients identified by email or phone. You can also choose which priority level of alerts generates a notification.

---



#### Recipients (Monitors)

Select and add Monitor Recipients below to receive Alert notifications. You can also choose how the notifications will be received.

---

**Recipient:**   Text  Email

**Priority Level:**  High  Med  Low

**Recipient:**   Text  Email  


**Priority Level:**  High  Med  Low

---

#### Recipients (Other)


Add other recipients below to receive Alert notifications. You can also choose how the notifications will be received.

---

**Add Email Recipients**  


**Priority Level:**  High  Med  Low

---

**Add Text Recipients**  

**Priority Level:**  High  Med  Low

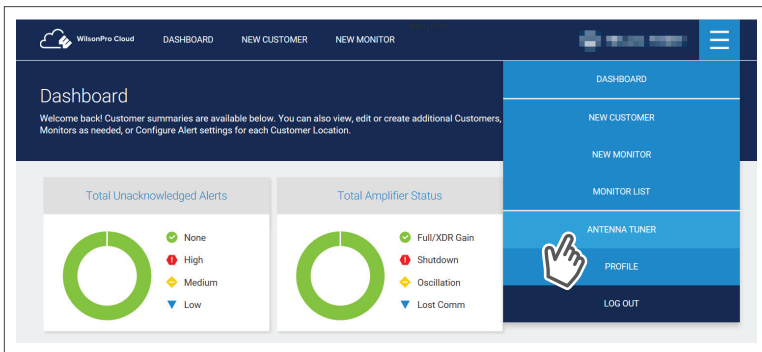
**UPDATE**RETURN TO OPTIONS



(WILSONPRO CLOUD cont.)

## Antenna Tuner Tool

To optimize a signal, you can use the Antenna Tuner Tool to help orient an antenna. Click **ANTENNA TUNER** from the menu drop down.



## (WILSONPRO CLOUD – ANTENNA TUNER TOOL cont.)

The antenna tuner tool allows the integrator/installer to get nearly real time signal information on a handheld device while making outside adjustments to the donor antenna. The antenna tuner tool is refreshed every 10 seconds. Select from the drop-down; Customer, Location, Amplifier and click **CAPTURE CURRENT VALUES**.

### Antenna Tuner

The Antenna Tuner helps orient an antenna to receive an optimized signal. Select a Amplifier, add an optional label for the antenna's current orientation, and press 'Capture Current Values' to capture values for that position. You can create up to ten records to compare positions.



---

Select Location

Customer Name

Select Booster

Run Test



	BAND 2	BAND 4	BAND 5	BAND 12	BAND 13
TEST yagi pointed south 4:53:55pm	-54 dBm	-58 dBm	-43 dBm	-47 dBm	-47 dBm
TEST yagi pointed southeast 10:22:02am	-53 dBm	-60 dBm	-41 dBm	-59 dBm	-59 dBm

Signal Test Results

	BAND 2	BAND 4	BAND 5	BAND 12	BAND 13
TEST yagi pointed south 4:53:55pm	-54 dBm	-58 dBm	-43 dBm	-47 dBm	-47 dBm
TEST yagi pointed southeast 10:22:02am	-53 dBm	-60 dBm	-41 dBm	-59 dBm	-59 dBm

Create Position Label (opt.)

Position Label

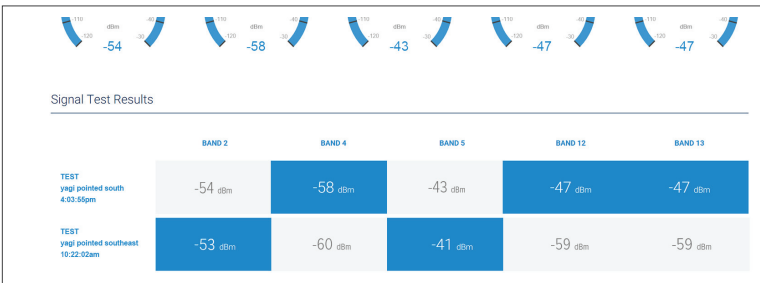
**CAPTURE CURRENT VALUES**



---

(WILSONPRO CLOUD – ANTENNA TUNER TOOL cont.)

Blue data represents strongest signal for a given Band.



Capture and labeling antenna position, can be completed here.

Create Position Label (opt.)

Position Label

**CAPTURE CURRENT VALUES**

---

**NEED HELP?**



cloud.wilsonpro.com



888.923.4448

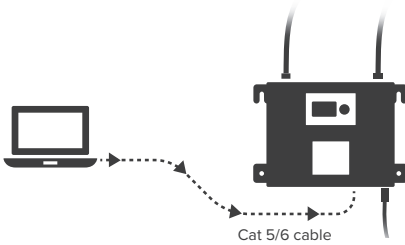


---

# Local Ethernet Configuration Utility

If you need to modify the amplifier communication settings, this utility was created to help you. The default setting is **Ethernet Preferred** (gives priority to Ethernet, but will switch to LTE if Ethernet is not connected).

NOTE: It is only necessary to use this utility if you wish to CHANGE a communication setting. The default setting of Ethernet preferred, LTE backup, is almost always the best setting to use.



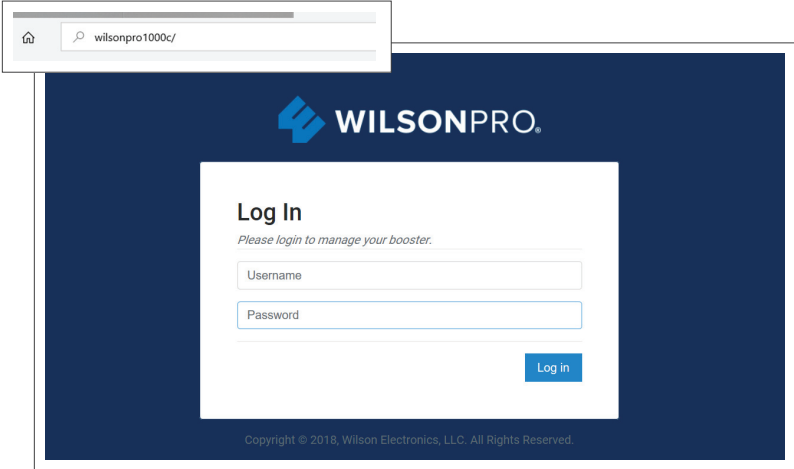
If the Installer/Integrator wishes to change this setting, a laptop computer must be connected to the Pro 1000C via a Cat 5/6 cable to the Ethernet port on the amplifier.



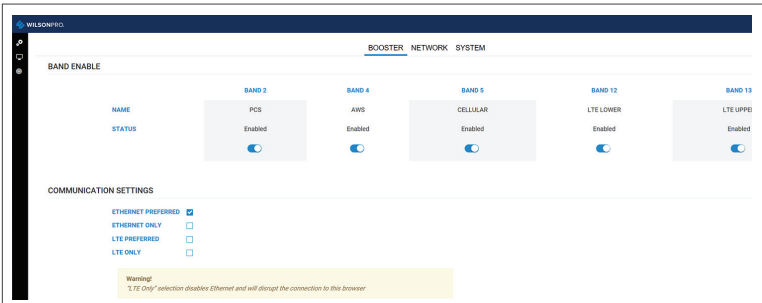
After connecting, the network icon on the amplifier will change color from red to yellow after about one minute.

(LOCAL ETHERNET CONFIGURATION UTILITY cont.)

Type **wilsonpro1000c/** into the web browser. A login will be displayed, type the following: Username: **admin** – Password: **admin**

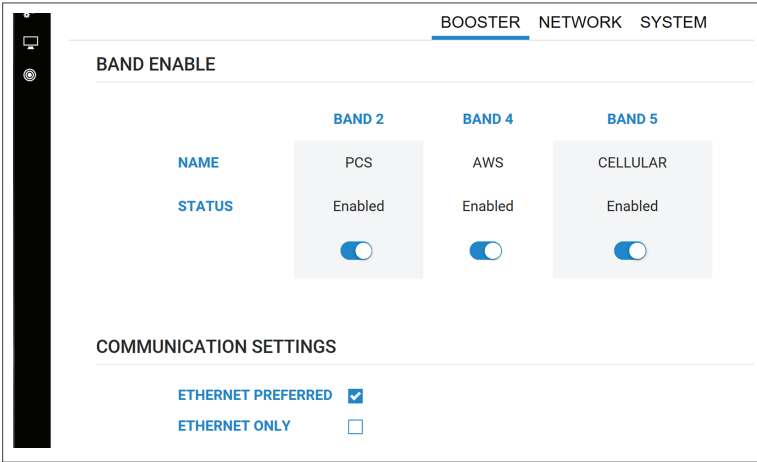


On the local amplifier configuration page you can select **BOOSTER, NETWORK** and **SYSTEM** to set configurations.

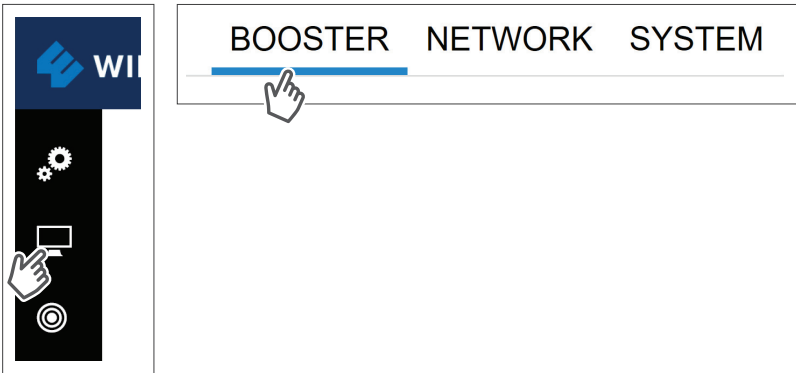


(LOCAL ETHERNET CONFIGURATION UTILITY cont.)


Bands can be turned ON/OFF and you can configure the Communication Settings.

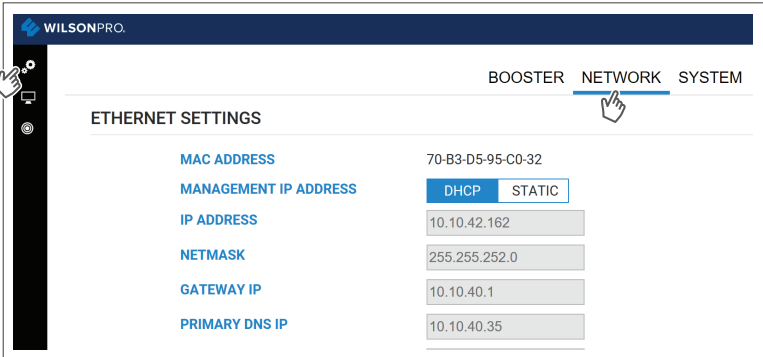


You can navigate through the site by clicking on the **Settings, Status** and **Antenna Tuner** icons located on the left then selecting **BOOSTER, NETWORK** or **SYSTEM**.




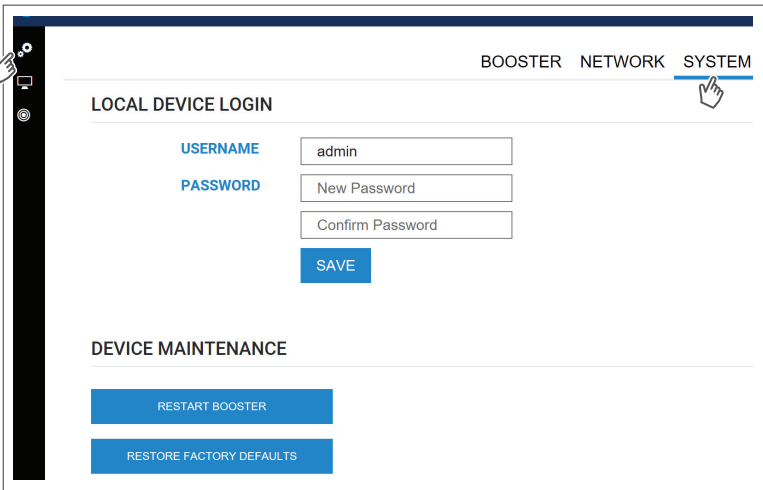
(LOCAL ETHERNET CONFIGURATION UTILITY cont.)

Click on  then **NETWORK**, Ethernet changes can be made here.



ETHERNET SETTINGS	
MAC ADDRESS	70-B3-D5-95-C0-32
MANAGEMENT IP ADDRESS	<input checked="" type="checkbox"/> DHCP <input type="checkbox"/> STATIC
IP ADDRESS	10.10.42.162
NETMASK	255.255.252.0
GATEWAY IP	10.10.40.1
PRIMARY DNS IP	10.10.40.35


Click on  then **SYSTEM**, set password for local amplifier (this password is unrelated to WilsonPro Cloud Service), reboot amplifier and restore system to factory default.

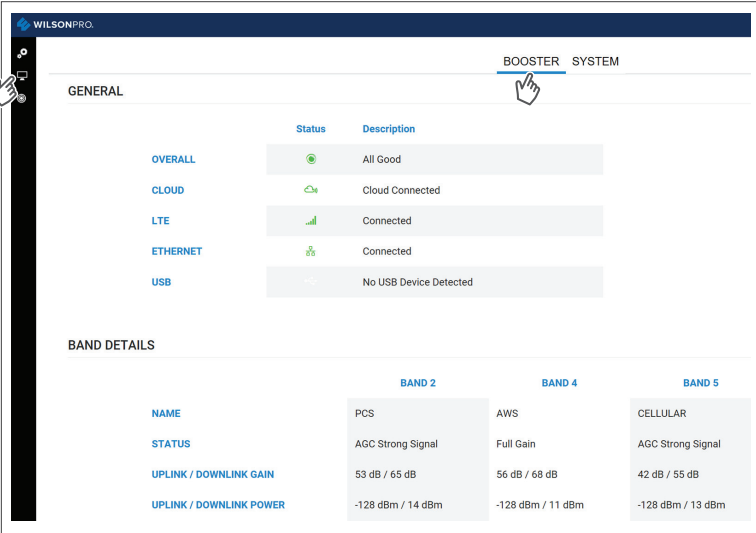


LOCAL DEVICE LOGIN	
USERNAME	admin
PASSWORD	New Password
Confirm Password	
<input type="button" value="SAVE"/>	






**DEVICE MAINTENANCE**

(LOCAL ETHERNET CONFIGURATION UTILITY cont.)

Click on  then **BOOSTER**, view overall status of amplifier, WilsonPro Cloud, LTE connection, Ethernet connection, USB connection and power levels for each band.



The screenshot displays the WilsonPro BOOSTER SYSTEM interface. At the top, there are tabs for 'BOOSTER' and 'SYSTEM', with 'BOOSTER' selected. Below this is a 'GENERAL' section with a table of system status:

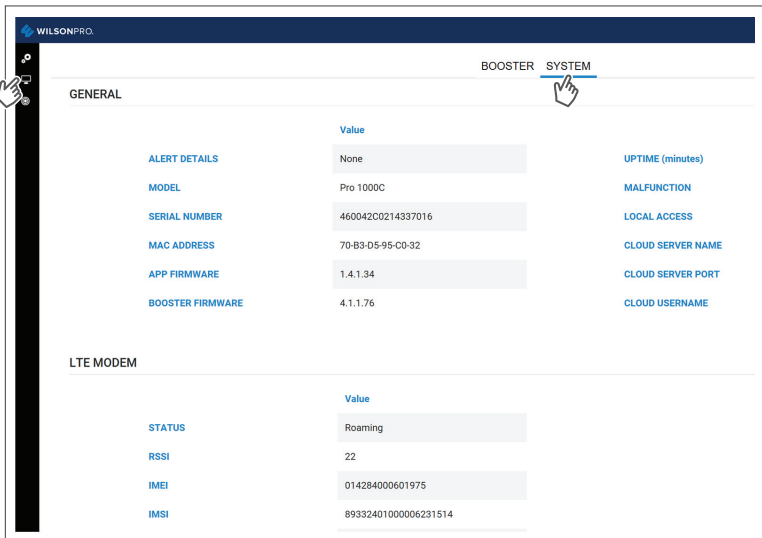
	Status	Description
OVERALL		All Good
CLOUD		Cloud Connected
LTE		Connected
ETHERNET		Connected
USB		No USB Device Detected

Below the general status is a 'BAND DETAILS' section with a table showing parameters for BAND 2, BAND 4, and BAND 5:

	BAND 2	BAND 4	BAND 5
NAME	PCS	AWS	CELLULAR
STATUS	AGC Strong Signal	Full Gain	AGC Strong Signal
UPLINK / DOWNLINK GAIN	53 dB / 65 dB	56 dB / 68 dB	42 dB / 55 dB
UPLINK / DOWNLINK POWER	-128 dBm / 14 dBm	-128 dBm / 11 dBm	-128 dBm / 13 dBm

(LOCAL ETHERNET CONFIGURATION UTILITY cont.)

Click on  then **SYSTEM**, view overall system details.




The screenshot shows the WILSONPRO SYSTEM configuration interface. The 'SYSTEM' tab is selected, and the 'GENERAL' section is expanded. The 'LTE MODEM' section is also visible. A hand icon points to the 'SYSTEM' tab, and another hand icon points to the 'GENERAL' section header.

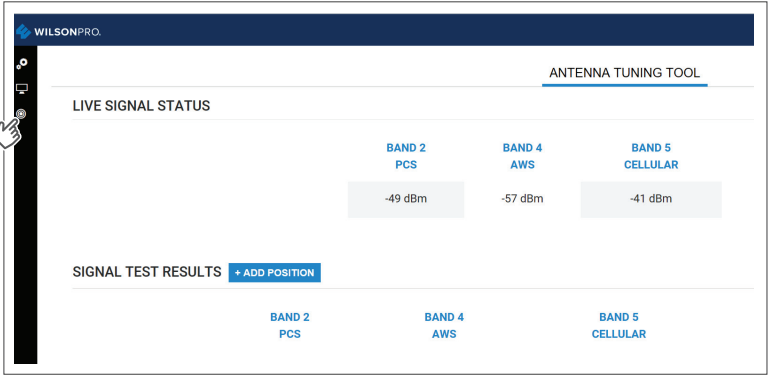
	Value	
ALERT DETAILS	None	UPTIME (minutes)
MODEL	Pro 1000C	MALFUNCTION
SERIAL NUMBER	460042C0214337016	LOCAL ACCESS
MAC ADDRESS	70-B3-05-95-CD-32	CLOUD SERVER NAME
APP FIRMWARE	1.4.1.34	CLOUD SERVER PORT
BOOSTER FIRMWARE	4.1.1.76	CLOUD USERNAME

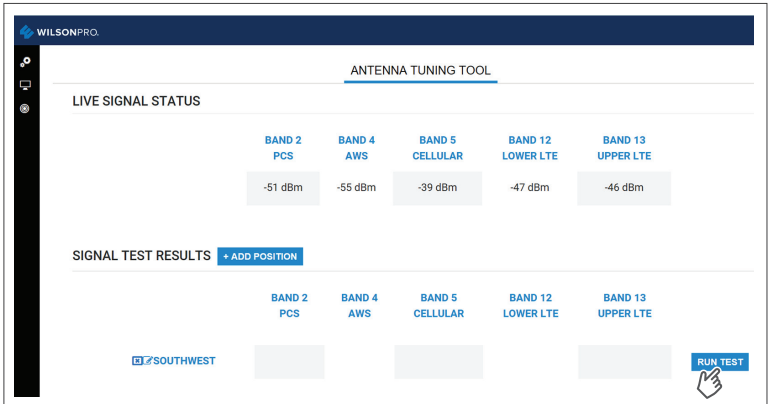
	Value
STATUS	Roaming
RSSI	22
IMEI	014284000601975
IMSI	89332401000006231514

(LOCAL ETHERNET CONFIGURATION UTILITY cont.)

Click on  to use the **ANTENNA TUNING TOOL** to assist with orienting the antenna. Click **+ADD POSITION** and enter description for antenna position.



Click **RUN TEST** to record measurements. These steps can be repeated as many times as you like.



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# Safety Guidelines

## Warnings

To uphold compliance with network protection standards, all active cellular devices must maintain at least 6 feet of separation distance from Panel and Dome antennas.

Use only the power supply provided in this package. Use of a non-Wilson Electronics product may damage your equipment.

The Signal Amplifier unit is designed for use in an indoor, temperature-controlled environment (less than 100 degrees Fahrenheit). It is not intended for use in attics or similar locations subject to temperatures in excess of that range.

RF Safety Warning: Any antenna used with this device must be located at least 8 inches from all persons.

AWS Warning: The Outside Antenna must be installed no higher than 10 meters (31'9") above ground.

### This is a **CONSUMER** device.

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**BEFORE USE**, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

In Canada, **BEFORE USE** you must meet all requirements set out in ISED CPC-2-1-05. You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 inches) from (i.e., **MUST NOT** be installed within 20 cm of) any person.

You **MUST** cease operating this device immediately if requested by the FCC (or ISED in Canada) or licensed wireless service provider.

**WARNING.** E911 location information may not be provided or may be inaccurate for calls served by using this device.

This device may be operated **ONLY** in a fixed location (i.e., may operate in a fixed location only) for in-building use.

**ISED CPC-2-1-05:** <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08942.html>

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### FOR MORE INFORMATION ON REGISTERING YOUR SIGNAL AMPLIFIER WITH YOUR WIRELESS PROVIDER, PLEASE SEE BELOW:

**Sprint:** [http://www.sprint.com/legal/fcc\\_boosters.html](http://www.sprint.com/legal/fcc_boosters.html)

**T-Mobile/MetroPCS:** <https://support.t-mobile.com/docs/DOC-9827>

**Verizon Wireless:** <http://www.verizonwireless.com/wcms/consumer/register-signal-booster.html>

**AT&T:** <https://securec45.securewebsession.com/attsignalbooster.com/>

**U.S. Cellular:** <http://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp>



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# Antenna Kit Options

The following accessories are certified by the FCC to be used with the **PRO 1000C**.

## Inside Antennas

### Kit 311135-400150

1 - Panel  
150' Wilson 400

### Kit 309900-50N

2 - Panel Antennas  
1 - 3-Way 50 Ohm Splitter  
90' Wilson 400

### Kit 304412-400100

1 - Dome Antenna  
100' Wilson 400

## Outside Antennas

### Kit 314411-40075

1 - Wide Band Directional Antenna  
75' Wilson 400

### Kit 311203-40020

1 - Omni Directional Antenna  
20' Wilson 400

### Kit 314453-40075

1 - Panel Antenna  
75' Wilson 400

### Kit 301111-400170

1 - Yagi Antenna  
170' Wilson 400

### Kit 304422-40020

1 - Omni Enterprise Antenna  
20' Wilson 400

# Specifications

<b>Product Number</b>	460042				
<b>Model Number</b>	460042				
<b>FCC ID</b>	PWO460042				
<b>IC ID</b>	4726A-460042				
<b>Connectors</b>	N-Female				
<b>Antenna Impedance</b>	50 Ohms				
<b>Frequency</b>	698-716 MHz, 729-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
<b>Power output for single cell phone (Uplink) dBm</b>	<b>700MHz Band12/17</b>	<b>700MHz Band13</b>	<b>800MHz</b>	<b>1700MHz</b>	<b>1900MHz</b>
	20.9	22.9	22.70	24.30	21.70
<b>Power output for single cell phone (Downlink) dBm</b>	<b>700MHz Band12/17</b>	<b>700MHz Band13</b>	<b>800MHz</b>	<b>2100MHz</b>	<b>1900MHz</b>
	16.7	15.0	16.0	16.4	15.5
<b>Noise Figure</b>	5 dB nominal				
<b>Isolation</b>	> 90 dB				
<b>Power Requirements</b>	120V AC 0.5A				

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

This device complies with Part 15 of FCC rules. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by weBoost could void the authority to operate this equipment.

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# Warranty

## 30 DAY MONEY-BACK GUARANTEE

All WilsonPro products are protected by WilsonPro 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

## 3 YEAR WARRANTY

WilsonPro Amplifiers are warranted for three (3) years against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Signal Amplifiers may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by WilsonPro. WilsonPro shall, at its option, either repair or replace the product.

This warranty does not apply to any Signal Amplifiers determined by WilsonPro to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Replacement products may include refurbished WilsonPro products that have been recertified to conform with product specifications.

RMA numbers may be obtained by contacting Customer Support.

**DISCLAIMER:** The information provided by WilsonPro is believed to be complete and accurate. However, no responsibility is assumed by WilsonPro for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

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**NEED HELP?**



[support.wilsonpro.com](https://support.wilsonpro.com)



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